REMARKS

The Office Action dated June 1, 2005 has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claims 13, 17 and 23 have been amended. Claims 14-16 have been cancelled. No new matter has been added, and no new issues are raised which require further consideration and/or search. Claims 13 and 17-24 are submitted for consideration.

The Office Action indicated that claims 16-18 and 20 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claim. Claim 13 has been amended to include all of the limitations of claim 16. Therefore, claim 13 is now claim 16 in independent form. Claim 17 has also been placed in independent form. Thus, Applicant requests that claims 13, 17, 18 and 20 be allowed.

Claims 13-14, 19 and 23 were rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,631,116 to Eneroth. The rejection is traversed as being based on a reference that neither teaches nor suggests the novel combination of features clearly recited in independent claims 13 and 23.

Claim 13, upon which claims 19-22 depend, recites a frame control method for controlling a transport frame used for transmitting a data unit via a dedicated channel between network elements of a communication system having different types of connections. The method includes the steps of encapsulating the data unit into the

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transport frame and selecting a frame type coding of the transport frame in accordance with a connection type of the dedicated channel. The method also includes the step of maintaining information on the frame types to be used for data units on a dedicated channel. The frame type coding defines specific control information fields of the transport frame and its bit number. The specific control information fields include a transport format indicator field, the bit number of the transport format indicator field is determined on the basis of the number of different transport format indicators allowed for the dedicated channel. A value of the transport format indicator field defines if and how a whole original data unit set is split into different data units to be transported via the dedicated channel.

Claim 23, upon which claim 24 depends, recite a frame control apparatus for controlling a transport frame used for transmitting a data unit via a dedicated channel between network elements of a communication system having different types of connections. The apparatus includes means for encapsulating the data unit into the transport frame. The apparatus also includes means for selecting a frame type coding of the transport frame in accordance with a connection type of the dedicated channel. The apparatus further includes means for maintaining information on the frame types to be used for data units on the dedicated channel. The frame type coding defines specific control information fields of the transport frame and its bit number. The specific control information fields include a transport format indicator field, the bit number of the transport format indicator field is determined on the basis of the number of different

transport format indicators allowed for the dedicated channel. A value of the transport format indicator field defines if and how a whole original data unit set is split into different data units to be transported via the dedicated channel.

As outlined below, Applicants submit that the cited reference of Eneroth does not teach or suggest the elements of claims 13 and 23 and the dependent claims thereon.

Eneroth teaches a method for indicating the size of mini cells pertaining to an individual connection only when needed and for changing the size of the mini cell during an ongoing connection. According to Eneroth, an ATM cell includes a header and a payload which carries one or more mini cells, each of which includes a header and user data. Figure 1, Col. 3, lines 44-53. The mini cell header includes a circuit identifier, CID, for identifying the established connection/circuit, a payload type for identifying different payload types, a length indicator and a header integrity check field, HIC, for supervising the header integrity. Figs. 1-2 Col. 3, lines 44-64. A cell header reading device includes a shift register, a first counter, a latch register, a ROM, a second counter and a multiplexor. User data of the mini cells are shifted into the shift register. Clock signals are counted by the first counter which is used to extract a fixed size length field of a mini cell and write its data into the register. The information in the fixed length field is then used to as address to the ROM. The size of the user data from the ROM is read and set to the second counter which controls the multiplexor such that at the output, the user data will appear. Figures 15 and 17-39 and Col. 7, lines 7-25.

Applicants submit that Eneroth simply does not teach or suggest each of the elements of claims 13 and 23. Claim 13 is now allowable claim 16 in independent form and claim 23 is a corresponding apparatus claim to method claim 13 and thus also includes all of the elements of allowable claim 16. . Therefore, Applicants respectfully assert that the rejection under 35 U.S.C. §102(e) should be withdrawn because Eneroth does not teach or suggest each feature of claims 13 and 23 and hence, dependent claims 14 and 19 thereon.

Claim 15 was rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent 6,631,116 to Eneroth in view of U.S. Patent 6,414,967 to Van Grinven. Claim 15 has been cancelled. Thus, Applicant requests that this rejection be withdrawn.

Claims 21-22 and 24 were rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent 6,631,116 to Eneroth in view of U.S. Patent 6,347,112 to Widegren. The rejection is traversed as being based on references that neither teach nor suggest the novel combination of features clearly recited in independent claims 13 and 23, upon which claims 21-22 and 24 are dependent.

Claims 21-22 depend on claim 13, as outlined above, and thus incorporates all of the elements of claim 13. Claim 24 depends on claim 23, as outlined above, and thus incorporates all of the elements of claim 13. Therefore, Applicants respectfully assert that the rejection under 35 U.S.C. §103(a) should be withdrawn because neither Eneroth nor Widegren, whether taken singly or combined, teaches or suggests each feature of claims 13 and 23 and hence, dependent claims 21-22 and 24 thereon.

As noted previously, claims 13 and 17-24 recite subject matter which is neither disclosed nor suggested in the prior art references cited in the Office Action. It is therefore respectfully requested that all of claims 13 and 17-24 be allowed and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicant's undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

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